UTAH CTE SKILL CERTIFICATE PROGRAM

MACHINE TOOL: LATHE

STUDENT PERFORMANCE EVALUATION

TEST #582

Student Name: _____

The performance evaluation is a required component of the Skill Certification process. Each student **must be evaluated** on the required performance standards. Performance standards may be completed and **evaluated anytime during the course**.

- Students should be aware of their progress throughout the course, so that they can concentrate on the objectives that need improvement.
- Students should be encouraged to repeat the objectives until they have performed at a minimum of a number 1 or 2 on the rating scale (moderately to highly competent level).
  - 1= highly competent — Successfully demonstrated without supervision
  - 2= moderately competent — Successfully demonstrated with limited supervision
  - 3= limited competence — Demonstrated with close supervision
  - 4= not competent — Demonstration requires direct instruction and supervision
- When a standard has been achieved at a minimum of 80% (moderately to highly competent level). "Y" (Y=YES) is recorded on the last line of that standard, on the performance evaluation sheet. If a student does not achieve a 1 or a 2 (moderately to highly competent level), then "N" (N=NO) is recorded on the last line of that standard.
- All performance standards MUST be completed and evaluated prior to the written test.
- The **teacher** will bubble in "A" on the answer sheet for item #81 for students who have achieved "Y" on **ALL** performance standards.
- The **teacher** will bubble in "B" on the answer sheet for item #81 for students who have **ONE or more "N's"** on the performance standards.
- The signed performance evaluation sheet(s) **MUST** be kept in the teachers' file for two years.
- A copy is also kept on file with the school's ATE Skill Certification testing coordinator for two years.

Students who achieve a 1 or a 2 (moderately to highly competent) on ALL performance standards and 80% on the written test will be issued an ATE Skill Certificate.

480503-01 Students will be able to understand safe practices and professional machine shop procedures.	**1**	**2**	**3**	**4**
Follow safety manuals and all safety regulations and requirements.				
Use protective equipment.				
Follow safe operating procedures for hand and power machine tools.				
Maintain a clean and safe work environment.				
Request a courtesy UOSHA or State Risk Management inspection at least every 2 years.				

480503-02 The student will be able to apply mathematical concepts.	**1**	**2**	**3**	**4**
Perform basic arithmetic functions - Add, subtract, multiply, and divide				
Convert fractions to decimal equivalents.				
Convert metric to inch measurements.				
Calculate speeds and feeds for machining.				
Locate basic machining points from a Datum Point.				
Calculate for direct, simple, and angular indexing.				

480503-03 The student will be able to interpret engineering drawings and control documents.	**1**	**2**	**3**	**4**
Review blueprint notes and dimensions.				
Identify basic layout of drawings.				
Identify basic types of drawings.				
List the purpose of each type of drawing.				
Verify drawing elements.				
Practice geometric dimensioning and tolerancing (GD&T) methodology.				

480503-04 The student will be able to recognize different manufacturing materials and processes.	**1**	**2**	**3**	**4**
Identify common materials and explain their desired properties.				

480503-05 The student will be able to properly perform measurement/inspection.	**1**	**2**	**3**	**4**
Select proper measurement tools as they best relate to part characteristics and specified accuracy.				
Apply proper measuring techniques.				
Accurately perform measurements with hand-held instruments.				
Accurately perform measurements on surface plate.				

480503-06 The student will be able to understand planning and hand tools.	**1**	**2**	**3**	**4**
Prepare and plan for machining operations.				
Demonstrate the proper use of hand tools.				

480503-09 The student will be able to understand and demonstrate the use of metal lathes.	**1**	**2**	**3**	**4**
Demonstrate the proper use of metal lathes.				

For each of the above standards and objectives there are sub-objectives with greater detail than can be provided on this sheet. Please access the state web site to download the state standards and the additional information.

The instructor must retain a copy of this Student Performance Evaluation for two years after the student has left the program.

Instructor Signature: _____ Date: _____

Student Signature: _____ Date : _____

School: _____